

At page 58, line 24, delete "regiment", and insert in its place --regimen--.

At page 59, line 16, delete "e0", and insert in its place --e)--.

AS
At page 60, line ²⁴22, after "with peptides", insert -- (i.e., the hsp70 preparation was an ADP-hsp70-peptide complex)--.

At page 60, line 25, delete ". (Figures 5A and 5B)", and insert in its place --(Figures 5B and 5A, respectively)--.

IN THE CLAIMS:

Please add new claims 62-77, as follows:

Sub B2
62. (New) A method for purifying heat shock protein 70 complexes comprising the steps of:

add
adding a solution containing a heat shock protein complex comprising a heat shock protein associated with at least one member of the group consisting of peptides, polypeptides, denatured proteins and antigens associated therewith to an ADP matrix column containing an ADP matrix to bind the heat shock protein complexes to the ADP matrix; and

adding a buffer containing ADP to the column to remove the heat shock protein complexes in an elution product.

Sub 61 63. (New) The method of Claim 62 wherein the solution containing heat shock protein complexes comprises a cell lysate.

64. (New) The method of Claim 62 wherein the heat shock protein complexes include complexes in which the heat shock protein comprises one of the group consisting of DnaK proteins from prokaryotes; Ssa, Ssb, and Ssc from yeast; hsp70, Grp75 and Grp78(Bip) from eukaryotes.

Sub 63 65. (New) A method for synthesizing heat shock protein 70 complexes, comprising adding a heat shock protein and an antigenic molecule selected from the group consisting of peptides, polypeptides, denatured proteins, and antigens to a buffer containing ADP to allow the heat shock protein 70 to bind to the antigenic molecule and ADP to form a heat shock protein 70 complex.

66. (New) The method of Claim 65, wherein the solution containing the heat shock protein 70, antigenic molecule and ADP is incubated at 37° C to induce heat shock protein 70 present in the solution to bind to peptides, polypeptides, denatured proteins and antigens present in the solution to form heat shock protein 70 complexes.

Sub 62 67. (New) The method of Claim 65, wherein the heat shock protein 70 comprises one of the group consisting of DnaK proteins from prokaryotes; Ssa, Ssb, and Ssc from yeast; hsp70, Grp75 and Grp78(Bip) from eukaryotes.

68. (New) An ADP-heat shock protein 70-peptide complex in substantially purified form.

69. (New) The ADP-heat shock protein 70-peptide complex of Claim 68, wherein said heat shock protein 70 comprises one of the group consisting of DnaK proteins from prokaryotes; Ssa, Ssb, and Ssc from yeast; hsp70, Grp75 and Grp78(Bip) from eukaryotes.

70. (New) The ADP-heat shock protein 70-peptide complex of Claim 68, wherein said peptide comprises one of the group consisting of polypeptides and proteins.

71. (New) The ADP-heat shock protein 70-peptide complex of Claim 68, wherein said ADP-heat shock protein 70-peptide complex comprises a synthetic heat shock protein-peptide complex.

72. (New) The ADP-heat shock protein-peptide complex of Claim 71, wherein said synthetic heat shock protein-peptide complex comprises a heat shock protein and a peptide from the same individual.

73. (New) The ADP-heat shock protein-peptide complex of Claim 71, wherein said synthetic heat shock protein-peptide complex comprises a heat shock protein from a first individual and a peptide from a second, different individual.

74. (New) The ADP-heat shock protein-peptide complex of Claim 71, wherein said synthetic heat shock protein-peptide complex comprises a heat shock protein from a first organism and a peptide from a second organism.

75. (New) The ADP-heat shock protein-peptide complex of Claim 71, wherein said synthetic heat shock protein-peptide complex comprises a heat shock protein from a first species and a peptide from a second species.

76. (New) The ADP-heat shock protein-peptide complex of Claim 68, wherein the ADP-heat shock protein-peptide complex is purified by the steps of:

adding a heat shock protein complex comprising a heat shock protein associated with at least one member of the group consisting of peptides, polypeptides, denatured proteins and antigens associated therewith to ADP matrix column containing an ADP matrix to bind the heat shock protein complexes to the ADP matrix; and

adding a buffer containing ADP to the column to remove the heat shock protein complexes in an elution product.

77. (New) The ADP-heat shock protein-peptide complex of Claim 68, wherein the ADP-heat shock protein-peptide complex is synthesized by adding a heat shock protein and an antigenic molecule selected from the group consisting of peptides, polypeptides, denatured proteins, and antigens to a buffer containing ADP to allow the heat shock protein 70 to bind to